

[0030] The sound level meter can record the above-mentioned information as well as the calibration date and time as a calibration history. The information can be utilized for maintaining and controlling the sound level meter.

CLAIMS

1. A method for automatically calibrating a sound level meter by using a sound calibrator comprising the steps of:
 - generating a code signal based on sound from the sound calibrator;
 - allowing the sound level meter to be switched into a calibration mode when receiving the code signal; and
 - automatically calibrating the sound level meter so as to adjust the value indicated by the sound level meter to be a calibration sound pressure level of the code signal by using the sound calibrator.
2. A system for automatically calibrating a sound level meter by using a sound calibrator, wherein the sound calibrator comprises a code signal generating means for generating a code signal based on sound and a calibration sound pressure generating means for generating calibration sound pressure, and the sound level meter comprises a code signal discriminating means for discriminating the code signal, a mode switching means for switching into a calibration mode in response to discrimination of the code signal discriminating means and a gain adjusting means for adjusting a gain of an amplifier such that the indicated value corresponds to the level of the calibration sound pressure in the calibration mode.
3. The system for automatically calibrating a sound level meter according to claim 2, wherein the sound calibrator further comprises an information outputting means for outputting information such as a type or a manufacturing number of the sound calibrator in addition to information of the sound pressure.
4. The system for automatically calibrating a sound level meter according to claim 3, wherein the sound level meter further comprises a memory means for receiving a signal generated by the sound calibrator and recording information such as the calibration date and